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RECOMMENDED SHAPES, SIZES AND MASS OF ALUMINIUM NOTCHED BARS AND INGOTS FOR REMELTING PURPOSES

(*First Revision*)

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(First Revision)

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Indian Standard

RECOMMENDED SHAPES, SIZES AND MASS OF ALUMINIUM NOTCHED BARS AND INGOTS FOR REMELTING PURPOSES

(First Revision)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 12 September 1979, after the draft finalized by the Light Metals and Their Alloys Sectional Committee had been approved by the Structural and Metals Division Council.

0.2 This standard was first published in 1963 in order to standardize the shapes and the sizes of notched bars and ingots used for remelting purposes in the industry. In this revision, the shapes have been redesigned with a view to rationalizing the mass of ingots.

1. SCOPE

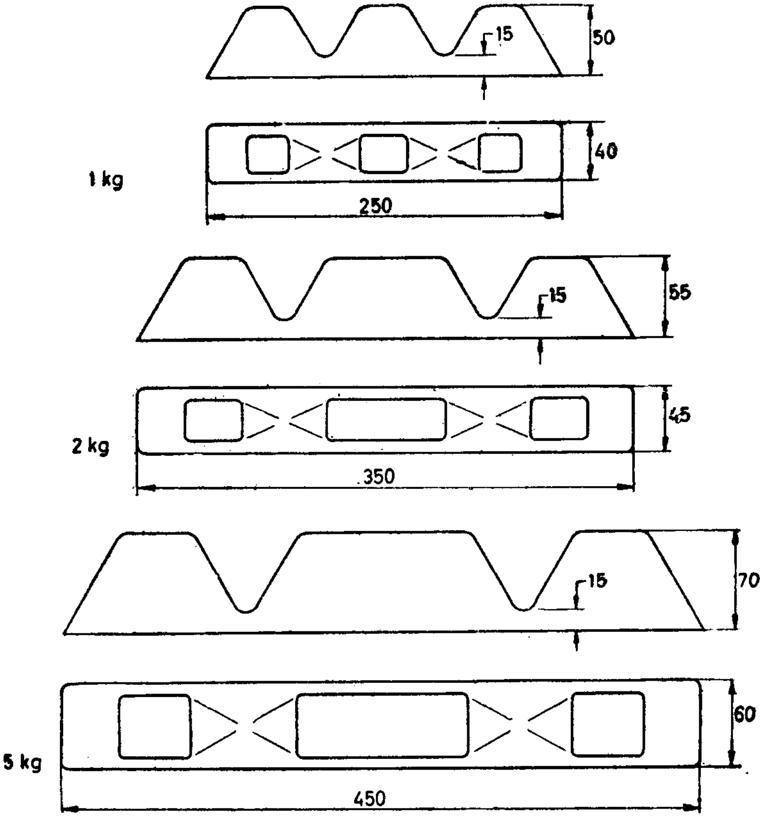
1.1 This standard specifies shapes, sizes and mass of notched bars and ingots used for remelting purposes in the industry.

2. SHAPES, SIZES AND MASS

2.1 Recommended overall shapes, sizes and mass of notched bars and ingots generally used in the industry are shown in Fig. 1. The dimensions indicated are nominal.

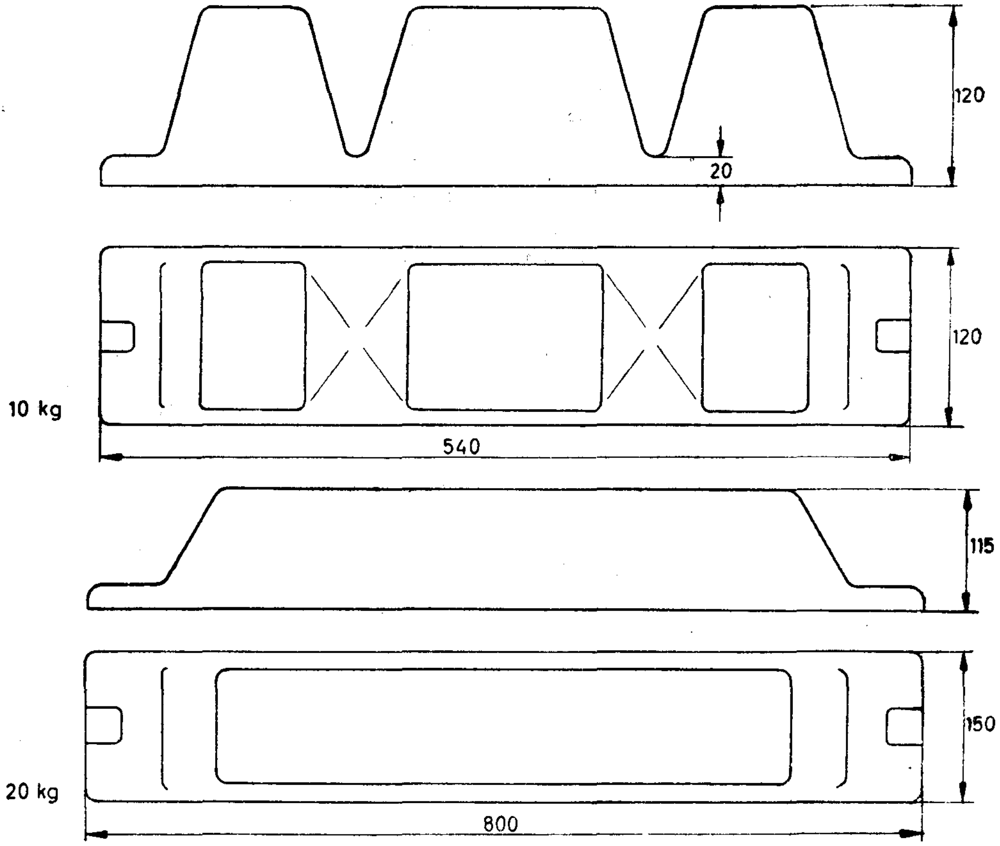
3. MARKING

3.1 All notched bars and ingots shall have such markings as may have been specified in the appropriate Indian Standard.



All dimensions in millimetres.

Fig. 1 Shapes, Sizes and Weights of Aluminium Ingots and Notched Bars for Remelting Purposes — *Contd*



All dimensions in millimetres.

FIG. 1 SHAPES, SIZES AND WEIGHTS OF ALUMINIUM INGOTS AND NOTCHED BARS FOR REMELTING PURPOSES

INTERNATIONAL SYSTEM OF UNITS (SI UNITS)

Base Units

Quantity	Unit	Symbol
Length	metre	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

Supplementary Units

Quantity	Unit	Symbol
Plane angle	radian	rad
Solid angle	steradian	sr

Derived Units

Quantity	Unit	Symbol	Definition
Force	newton	N	1 N = 1 $kg.m/s^2$
Energy	joule	J	1 J = 1 N.m
Power	watt	W	1 W = 1 J/s
Flux	weber	Wb	1 Wb = 1 V.s
Flux density	tesla	T	1 T = 1 Wb/m^2
Frequency	hertz	H_z	1 H_z = 1 c/s (s^{-1})
Electric conductance	siemens	S	1 S = 1 A/V
Electromotive force	volt	V	1 V = 1 W/A
Pressure, stress	pascal	Pa	1 Pa = 1 N/m^2

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